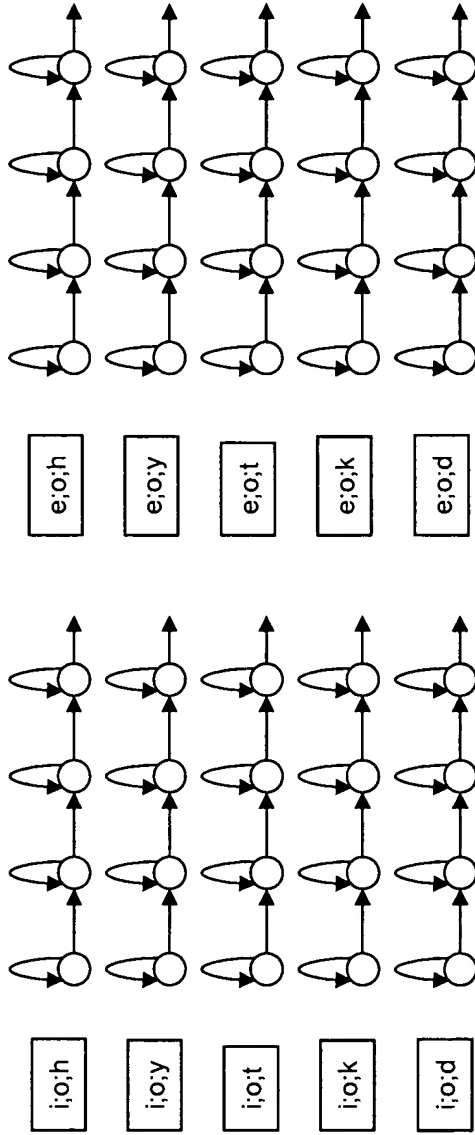
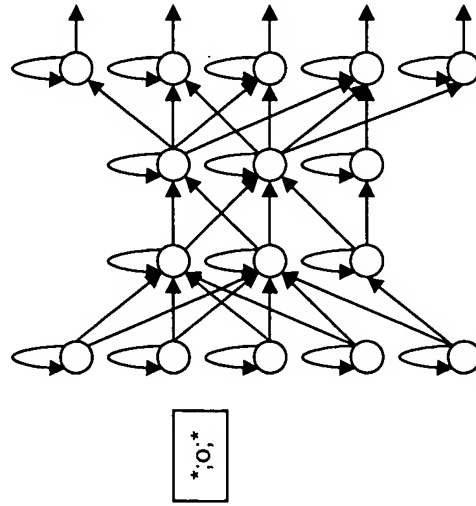


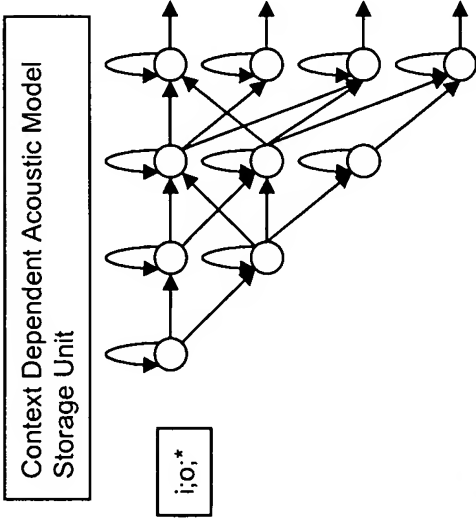
(a) Example of Grammar Network  
Examples of conventional acoustic models regarding the last phoneme "o" in the first words are shown in (b) and (c) and an acoustic model according to the present invention is shown in (d).



(b) Conventional Acoustic Model 1 ( Triphones of /i;o:\*/ and /e;o:\*/ are expressed independently.)  
Nodes in each triphone correspond to acoustic feature quantity at respective times.



(c) Conventional Acoustic Model 2  
Nodes of the triphones in (b) that have the same acoustic feature quantity are used in common. In this case, the acoustic model assumes a network arrangement of nodes.



(d) An acoustic Model of the Invention

The triphones having the same preceding phonemes and the same center phonemes are combined in a tree structure with the common preceding phoneme ("i" and "e") of the triphones as a root node (top node).

